

A

6  
 269.80 2 5 4 1 3 BTB\_03049  
 229.80 6 5 1 2 4 SPB\_00387  
 259.85 4 3 2 1 1 EN\_00236  
 179.05 4 2 0 0 2 NRB\_00265

B

Fig. 1

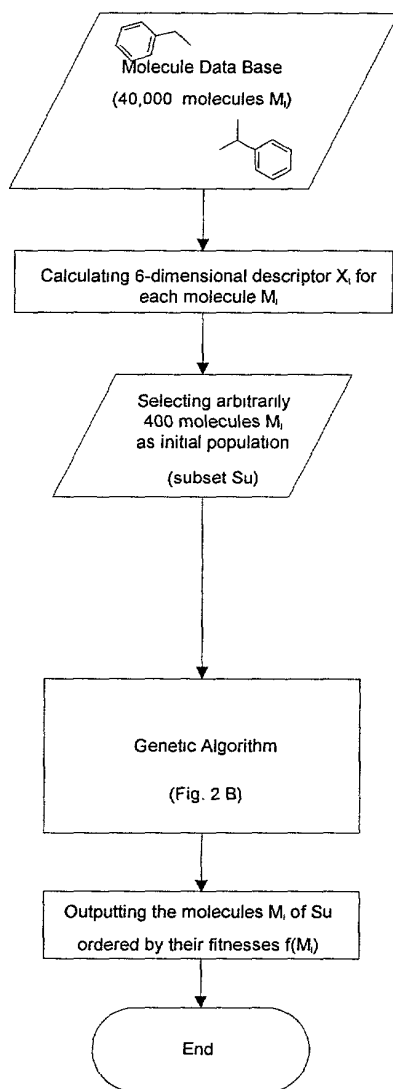


Fig. 2A

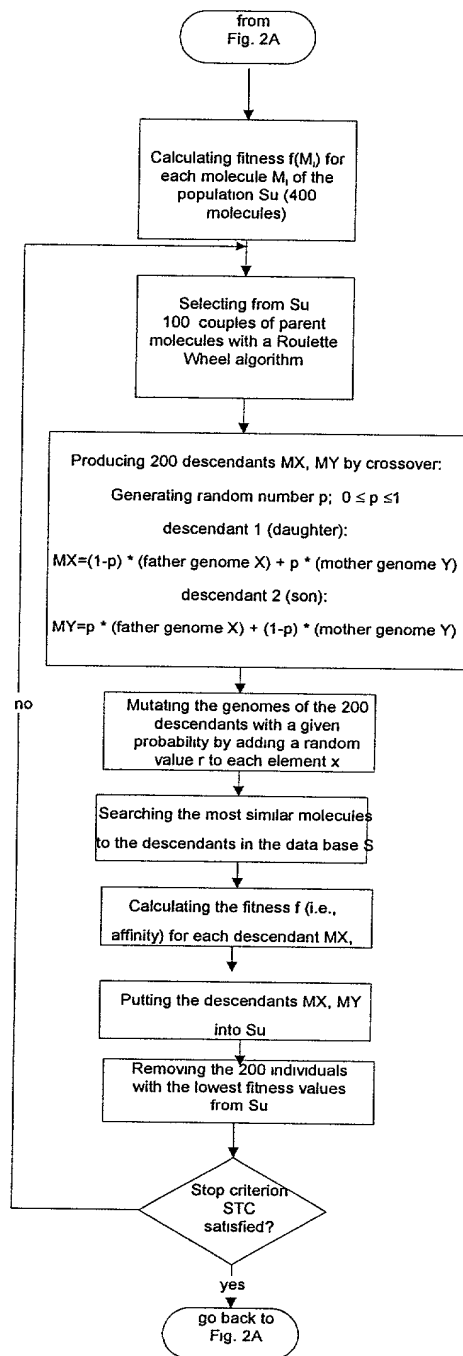


Fig. 2B

attribute	1	2	3	4	5	6	
father genome X	0,7	0,4	0,1	0,5	0,2	0,9	Sum = 5,8
mother genome Y	0,5	0,8	0,6	0,1	0,5	0,5	
descendant 1 (son)	0,54	0,72	0,5	0,18	0,44	0,58	Sum = 5,8
descendant 2 (daughter)	0,66	0,48	0,2	0,42	0,26	0,82	

son =  $p \times (\text{father\_genom}) + (1-p) \times (\text{mother\_genom})$

daughter =  $(1-p) \times (\text{father\_genom}) + p \times (\text{mother\_genom})$

$p=0.2$

Fig. 3

098583-062001

General Information		Demographics		Clinical History		Physical Examination		Laboratory Studies		Imaging Studies		Treatment		Outcome							
Field	Value	Field	Value	Field	Value	Field	Value	Field	Value	Field	Value	Field	Value	Field	Value						
Age	65	Sex	Male	Chief Complaint	Intermittent abdominal pain	Weight	75 kg	Height	175 cm	Temperature	38.5°C	Heart Rate	95 bpm	Blood Pressure	140/90 mmHg	Respiratory Rate	18 breaths/min				
Weight	75 kg	Height	175 cm	Duration of Symptoms	3 months	Temperature	38.5°C	Heart Rate	95 bpm	Blood Pressure	140/90 mmHg	Respiratory Rate	18 breaths/min	SpO2	98%	ECG	Normal	Urea Nitrogen	10 mg/dL		
Chief Complaint	Intermittent abdominal pain	Duration of Symptoms	3 months	Weight	75 kg	Height	175 cm	Temperature	38.5°C	Heart Rate	95 bpm	Blood Pressure	140/90 mmHg	Respiratory Rate	18 breaths/min	SpO2	98%	ECG	Normal	Urea Nitrogen	10 mg/dL
Weight	75 kg	Height	175 cm	Temperature	38.5°C	Heart Rate	95 bpm	Blood Pressure	140/90 mmHg	Respiratory Rate	18 breaths/min	SpO2	98%	ECG	Normal	Urea Nitrogen	10 mg/dL	Creatinine	1.5 mg/dL		
Height	175 cm	Temperature	38.5°C	Heart Rate	95 bpm	Blood Pressure	140/90 mmHg	Respiratory Rate	18 breaths/min	SpO2	98%	ECG	Normal	Urea Nitrogen	10 mg/dL	Creatinine	1.5 mg/dL	Glucose	100 mg/dL		
Temperature	38.5°C	Heart Rate	95 bpm	Blood Pressure	140/90 mmHg	Respiratory Rate	18 breaths/min	SpO2	98%	ECG	Normal	Urea Nitrogen	10 mg/dL	Creatinine	1.5 mg/dL	Glucose	100 mg/dL	Calcium	9.0 mg/dL		
Heart Rate	95 bpm	Blood Pressure	140/90 mmHg	Respiratory Rate	18 breaths/min	SpO2	98%	ECG	Normal	Urea Nitrogen	10 mg/dL	Creatinine	1.5 mg/dL	Glucose	100 mg/dL	Calcium	9.0 mg/dL	Phosphorus	3.5 mg/dL		
Blood Pressure	140/90 mmHg	Respiratory Rate	18 breaths/min	SpO2	98%	ECG	Normal	Urea Nitrogen	10 mg/dL	Creatinine	1.5 mg/dL	Glucose	100 mg/dL	Calcium	9.0 mg/dL	Phosphorus	3.5 mg/dL	Magnesium	1.8 mg/dL		
Respiratory Rate	18 breaths/min	SpO2	98%	ECG	Normal	Urea Nitrogen	10 mg/dL	Creatinine	1.5 mg/dL	Glucose	100 mg/dL	Calcium	9.0 mg/dL	Phosphorus	3.5 mg/dL	Magnesium	1.8 mg/dL	Sodium	135 mEq/L		
SpO2	98%	ECG	Normal	Urea Nitrogen	10 mg/dL	Creatinine	1.5 mg/dL	Glucose	100 mg/dL	Calcium	9.0 mg/dL	Phosphorus	3.5 mg/dL	Magnesium	1.8 mg/dL	Sodium	135 mEq/L	Potassium	4.0 mEq/L		
ECG	Normal	Urea Nitrogen	10 mg/dL	Creatinine	1.5 mg/dL	Glucose	100 mg/dL	Calcium	9.0 mg/dL	Phosphorus	3.5 mg/dL	Magnesium	1.8 mg/dL	Sodium	135 mEq/L	Potassium	4.0 mEq/L	Bilirubin	1.2 mg/dL		
Urea Nitrogen	10 mg/dL	Creatinine	1.5 mg/dL	Glucose	100 mg/dL	Calcium	9.0 mg/dL	Phosphorus	3.5 mg/dL	Magnesium	1.8 mg/dL	Sodium	135 mEq/L	Potassium	4.0 mEq/L	Bilirubin	1.2 mg/dL	Albumin	4.0 g/dL		
Creatinine	1.5 mg/dL	Glucose	100 mg/dL	Calcium	9.0 mg/dL	Phosphorus	3.5 mg/dL	Magnesium	1.8 mg/dL	Sodium	135 mEq/L	Potassium	4.0 mEq/L	Bilirubin	1.2 mg/dL	Albumin	4.0 g/dL	Protein	8.0 g/dL		
Glucose	100 mg/dL	Calcium	9.0 mg/dL	Phosphorus	3.5 mg/dL	Magnesium	1.8 mg/dL	Sodium	135 mEq/L	Potassium	4.0 mEq/L	Bilirubin	1.2 mg/dL	Albumin	4.0 g/dL	Protein	8.0 g/dL	Triglycerides	150 mg/dL		
Calcium	9.0 mg/dL	Phosphorus	3.5 mg/dL	Magnesium	1.8 mg/dL	Sodium	135 mEq/L	Potassium	4.0 mEq/L	Bilirubin	1.2 mg/dL	Albumin	4.0 g/dL	Protein	8.0 g/dL	Triglycerides	150 mg/dL	HDL Cholesterol	40 mg/dL		
Phosphorus	3.5 mg/dL	Magnesium	1.8 mg/dL	Sodium	135 mEq/L	Potassium	4.0 mEq/L	Bilirubin	1.2 mg/dL	Albumin	4.0 g/dL	Protein	8.0 g/dL	Triglycerides	150 mg/dL	HDL Cholesterol	40 mg/dL	LDL Cholesterol	100 mg/dL		
Magnesium	1.8 mg/dL	Sodium	135 mEq/L	Potassium	4.0 mEq/L	Bilirubin	1.2 mg/dL	Albumin	4.0 g/dL	Protein	8.0 g/dL	Triglycerides	150 mg/dL	HDL Cholesterol	40 mg/dL	LDL Cholesterol	100 mg/dL	VLDL Cholesterol	20 mg/dL		
Sodium	135 mEq/L	Potassium	4.0 mEq/L	Bilirubin	1.2 mg/dL	Albumin	4.0 g/dL	Protein	8.0 g/dL	Triglycerides	150 mg/dL	HDL Cholesterol	40 mg/dL	LDL Cholesterol	100 mg/dL	VLDL Cholesterol	20 mg/dL	Total Cholesterol	200 mg/dL		
Potassium	4.0 mEq/L	Bilirubin	1.2 mg/dL	Albumin	4.0 g/dL	Protein	8.0 g/dL	Triglycerides	150 mg/dL	HDL Cholesterol	40 mg/dL	LDL Cholesterol	100 mg/dL	VLDL Cholesterol	20 mg/dL	Total Cholesterol	200 mg/dL	Cholesterol/HDL Ratio	5.0		
Bilirubin	1.2 mg/dL	Albumin	4																		



Fig. 4

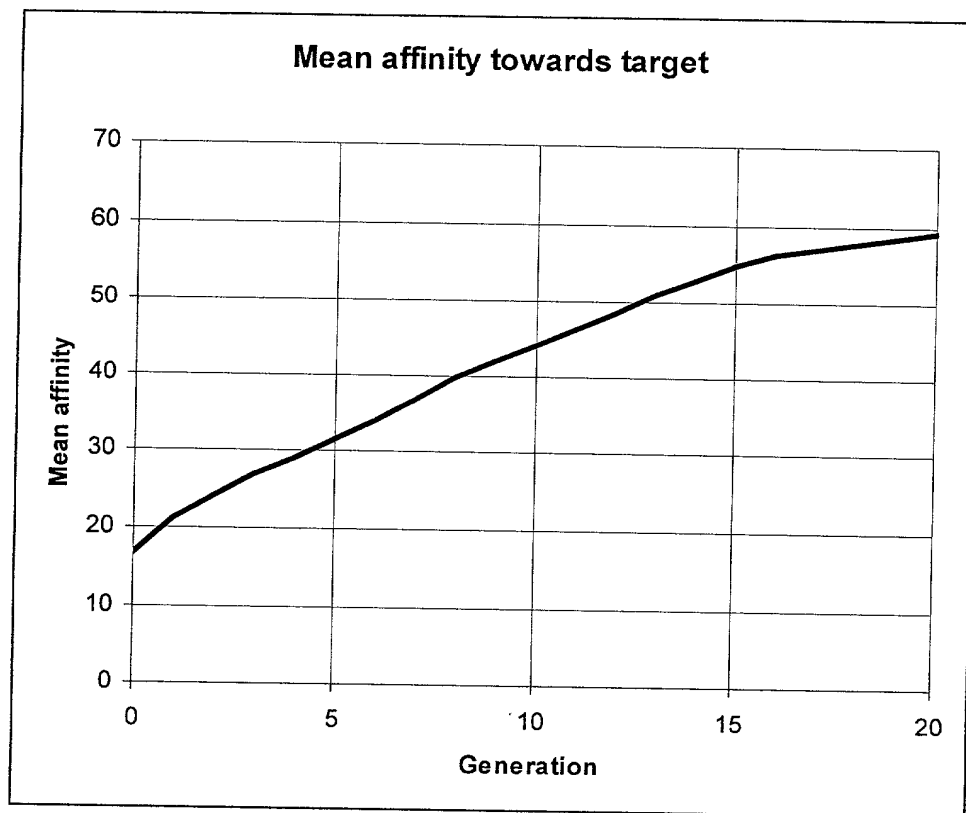


Fig.5

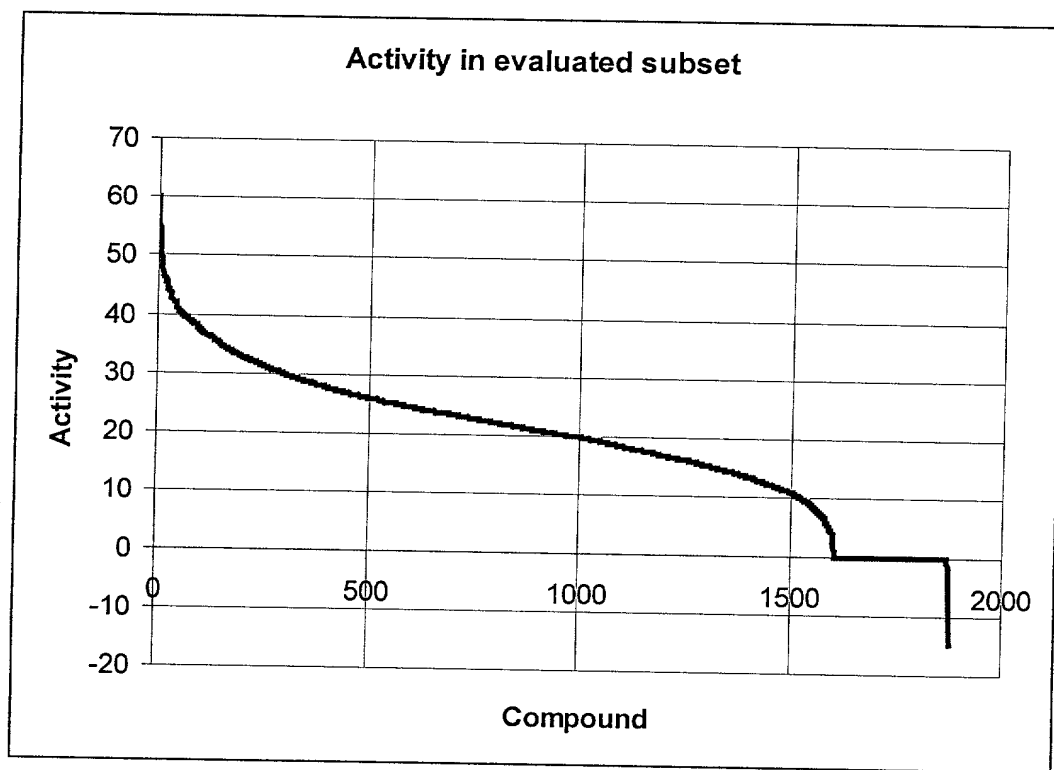


Fig. 6

Evaluated molecules per generation

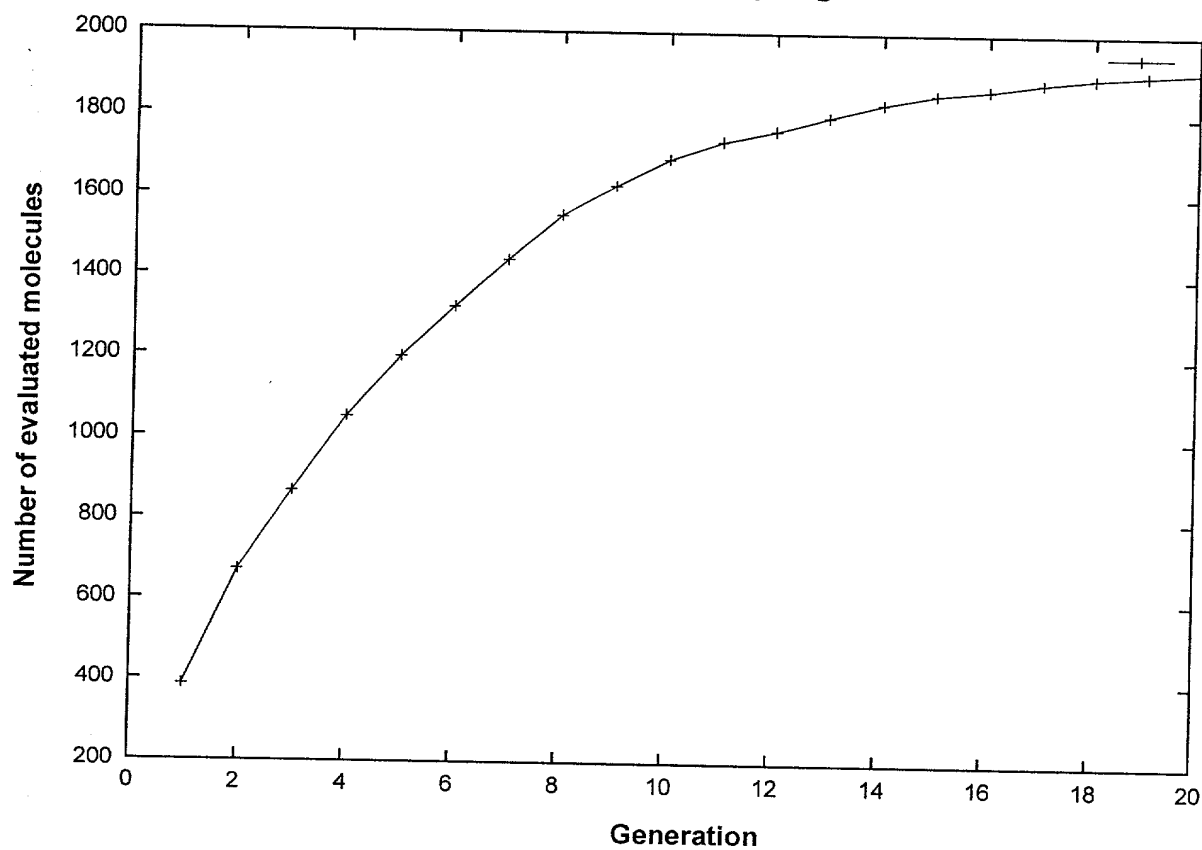


Fig. 7